

FIG. 1

A

ANCESTRAL TRACE FOR AMISH STUDY BIPOLAR PEDIGREES

PROGENITOR
CIRCA 1750

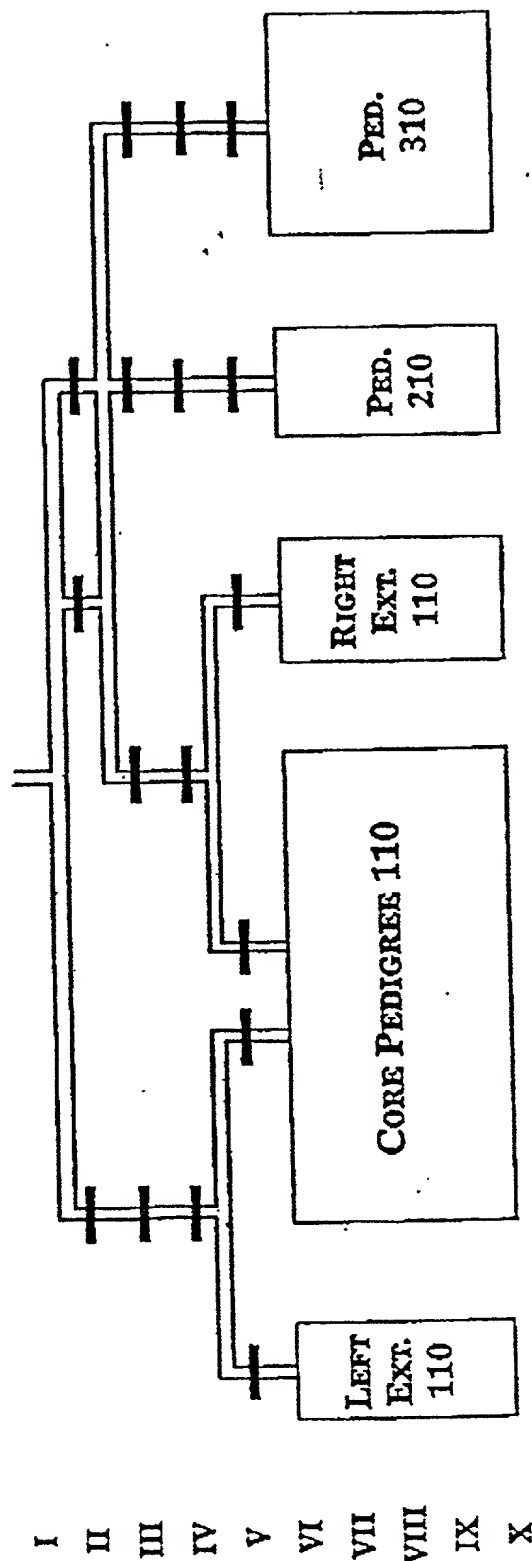


FIG. 2



CLASS BOUNDS

MAX LOD SCORES

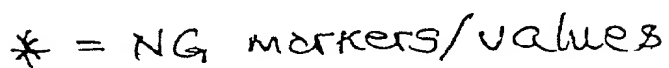
[illegible]

Figure 3

[illegible][illegible][illegible]

SIBPAL P

	D15S114		0.0
		11.1	
0.1449	299yf		11.1
		5.8	
0.0411	D15S131		16.8
		7.8	
0.2091	D15S153		24.6
		7.6	
0.0114	* D15S36		32.2
0.0003	* D15S45		
0.0433	D15S159	1.5	
0.0217	* D15S148		33.6
0.1020	135yc		
		1.4	
	D15S1033		35.0
	D15S150		
	D15S38	1.7	
	* D15S117		36.7
		5.6	
	GATA153F11		42.3
		5.1	
	D15S962		47.4
	D15S48ml		
		1.2	
	189yc		48.6
		2.4	

Figure 5

SIBPAL P value

	D4S412		0.0
0.5241	D4S2935	13.6	13.6
	D4S431	1.2	14.8
	D4S431a	0.9	15.7
0.0002	D4S2366	1.0	16.7
	D4S394a	3.2	19.8
0.0015	D4S3007	2.1	21.9
0.0035	D4S394		21.9
0.0000	D4S2949	9.4	31.3
0.0626	D4S1605	2.5	33.8
0.0005	D4S1582		33.8
	D4S107m	0.5	34.3
	D4S403		34.3
		7.6	41.9
0.0002	D4S419	6.2	48.1
0.0004	D4S404	6.6	54.7
	D4S391		54.7
		12.1	66.8
	D4S405		66.8

Figure 6

4P Locus

SIBPAL P

	D4S100	7.4	0.0
	D4S406		7.4
	D4S1611	3.9	
	D4S101t		
	UT7739	3.7	11.4
	D4S1573		15.0
	D4S402	2.6	17.6
<0.0001	D4S109	1.2	
0.0001	D4S427		18.9
	D4S1615	8.6	27.5
	D4S2959	8.4	35.9
	D4S1576	5.6	41.5
	D4S422	4.5	46.0
	D4S2423	1.4	
	D4S422a	1.8	47.4
<0.0001	D4S175	2.6	49.2
<0.0001	D4S397		
	D4S3334	2.5	51.8
	D4S1644	3.4	54.3
	D4S192		
	D4S1565		
	UT2147	2.7	57.7
0.0003	D4S424	2.2	60.4
	D4S420		
	D4S1625		62.6
	UT1264	4.8	67.3
	D4S413	15.3	82.7
	GATA8A05		

4g Heath (Na 96)

Figure 7

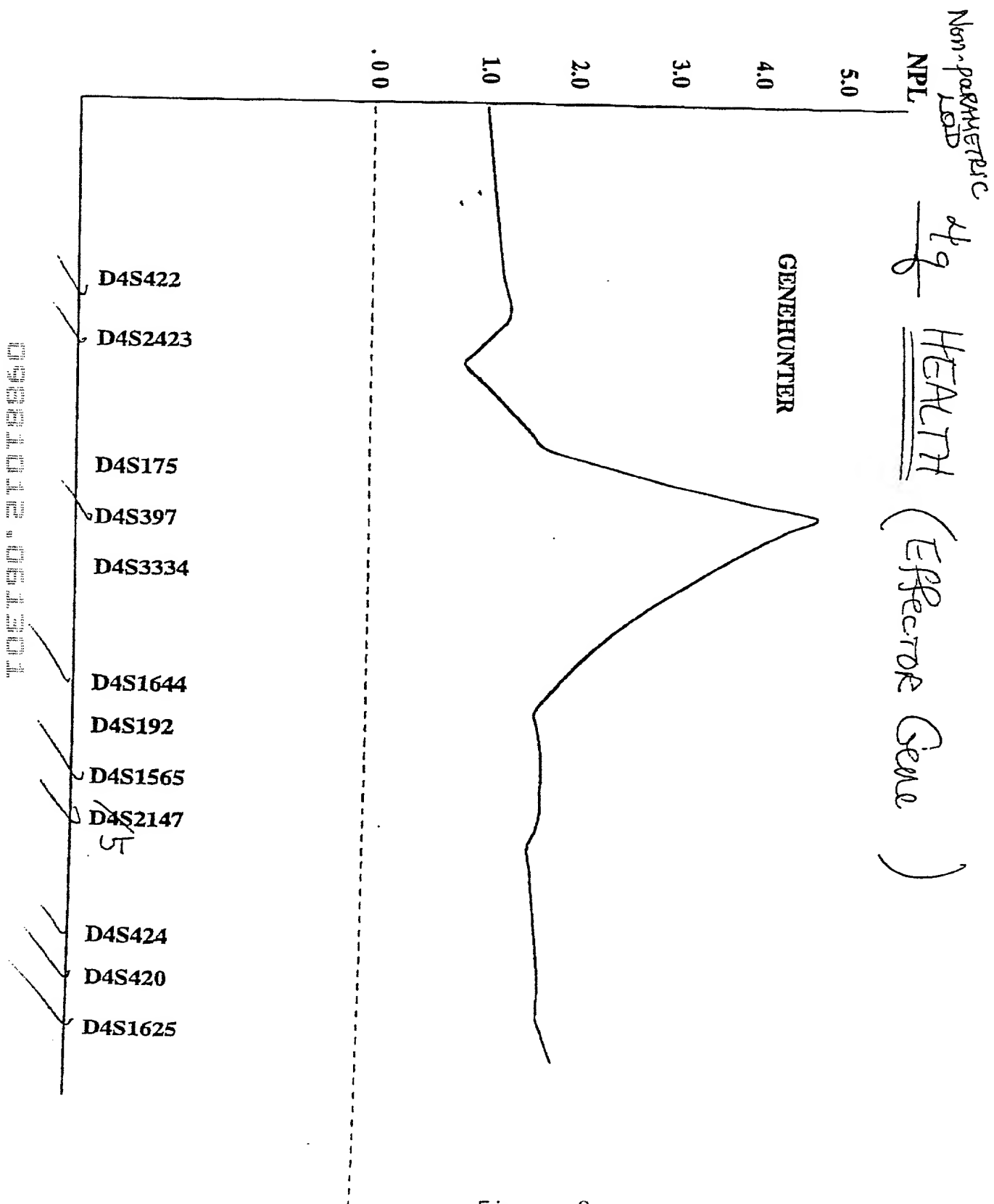


Figure 8

AMISH STUDY BIPOLAR PEDIGREE EXTENSIONS

PROGENITOR

1700-1750

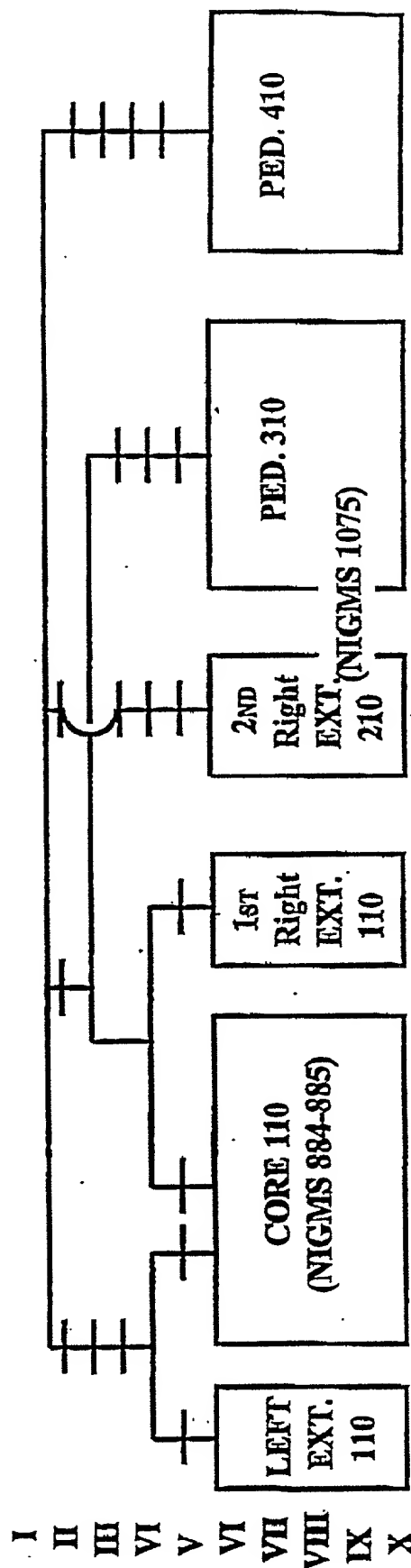


Figure 10

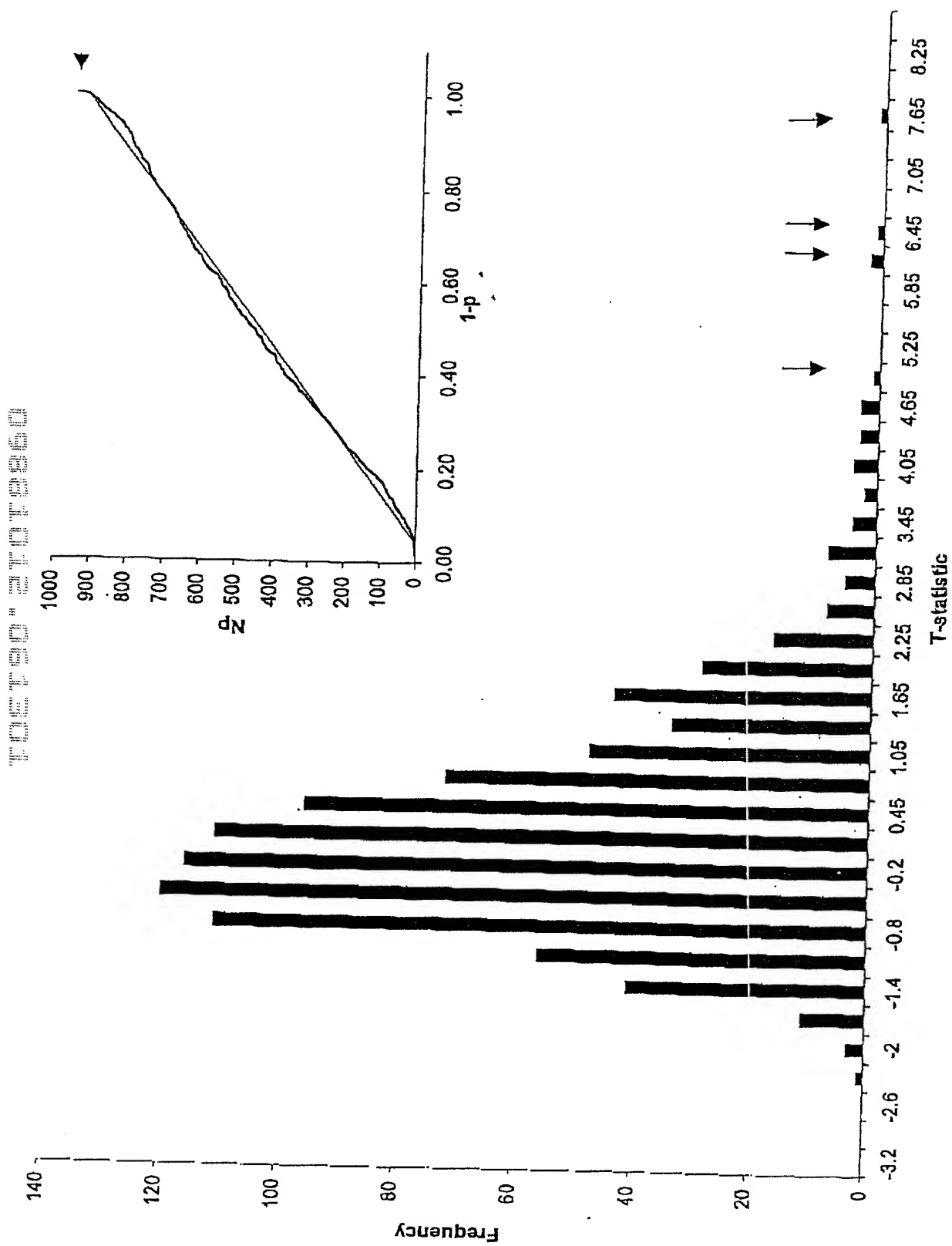


Figure 11

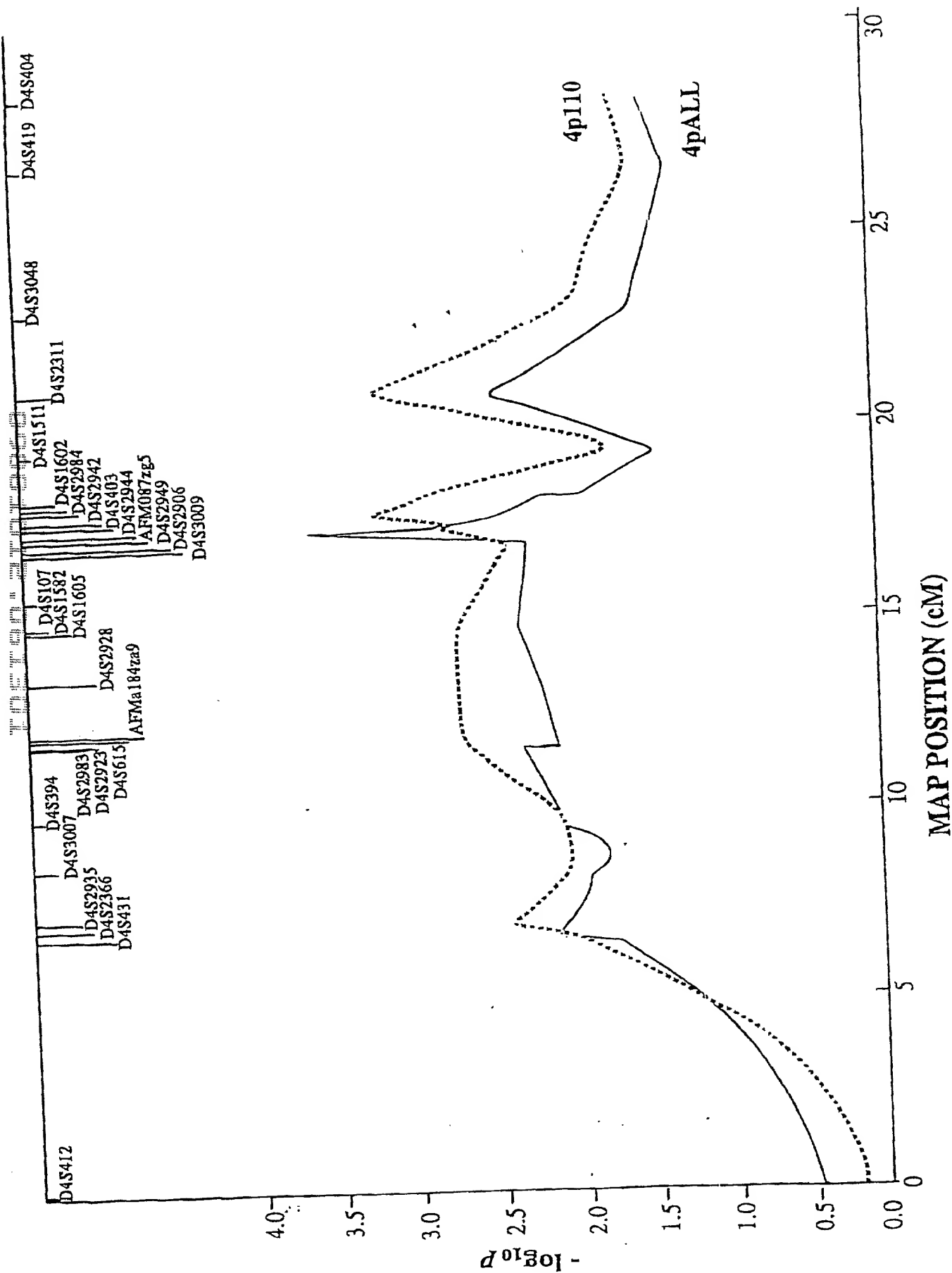


Figure 12A

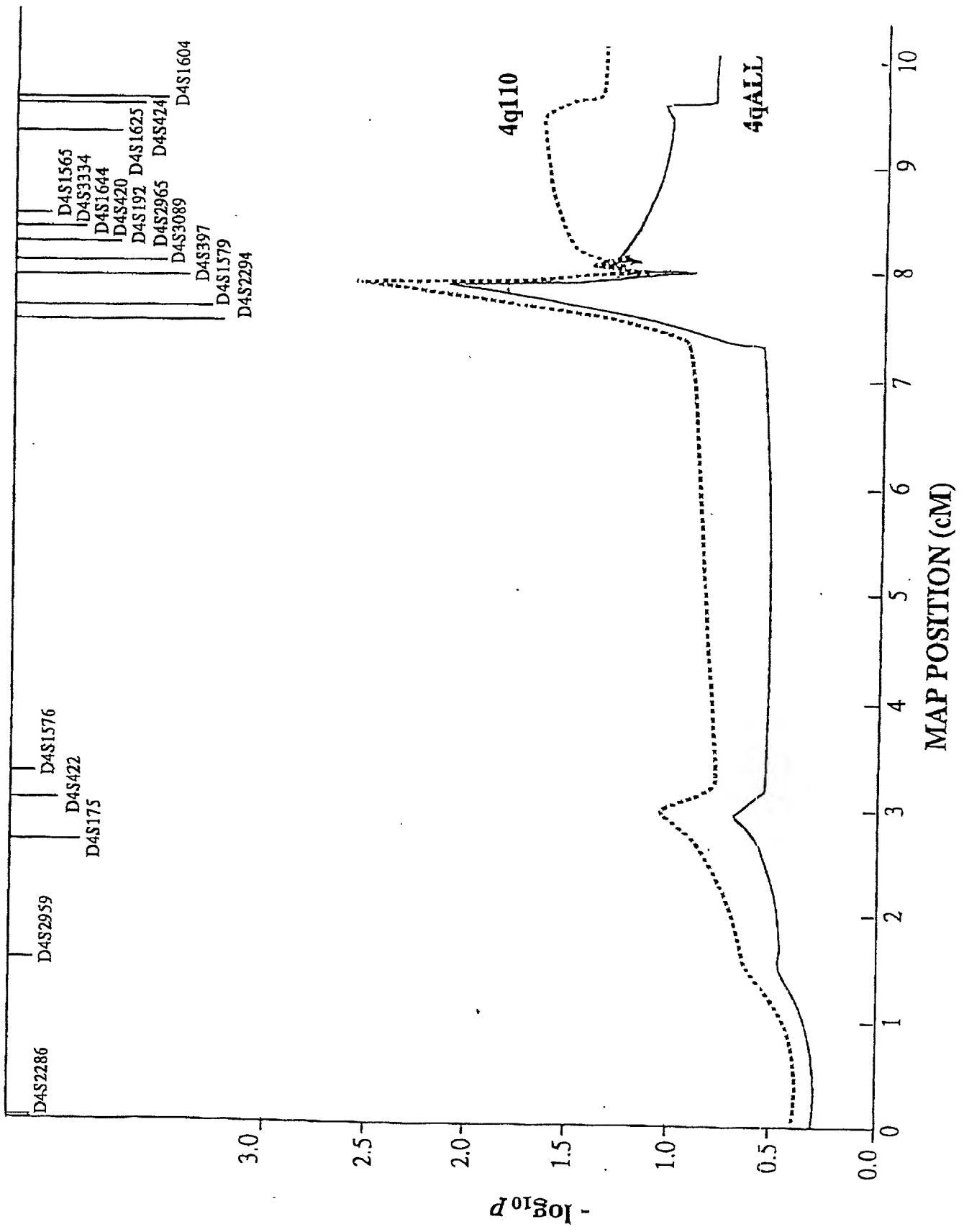


Figure 12B